

Name \_\_\_\_\_ Date \_\_\_\_\_

## 5.1A FACTORING POLYNOMIALS

Factor

1. $36a^6 + 54a^4 =$
2. $25m^3n^4 - 45m^2n^5 =$
3. $28a^3b^2 - 20a^4b + 36a^5b^2 =$
4. $54m^5n^3 - 18m^4n^6 + 42m^2n^5 =$
5. $9x^2 + 42x + 49 =$
6. $25a^2 + 90ab + 81b^2 =$
7. $16m^4 + 24m^2 + 9 =$
8. $64x^2 - 48x + 9 =$
9. $81a^2 - 126ab + 49b^2 =$
10. $16m^6 - 40m^3n + 25n^2 =$
11. $25x^2 - 36 =$
12. $121a^2 - 49b^2 =$
13. $144m^2 - 25n^4 =$
14. $x^3 - 125 =$
15. $x^3 + 64 =$
16. $27x^3 + 8 =$
17. $64x^3 + 125 =$
18. $27a^6 + 64b^3 =$